PLUS Search Results for S/N 10651550, Searched February 28, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

10651550_QUAL.txt

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10651550_WEST.txt

(5566091 6253601 5951611 5968107 6418334 6539783 5949976 5963943 6216066 6216066 6260004 6330525 6466858 6532412 5523701 6754673 4583182 4788854 4944301 5519727 5652541 5692485 5732551 5857321 6151574 6359878 6408259 6498978 6845306 5761091 4805451 4879901 5368471 5629869 5636134 5638296 5663894 5706801 5875464 6231231 6330564 6810383 5680310 6466840 6556928 4612620 4937763 5239874 5680025 6299583).pn.

10651550_EAST.txt

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6253601
5951611
5968107
6418334
6539783
5949976
5963943
6216066
6216066
6260004
6330525
6466858
6532412
5523701
6754673
4583182
4788854
4944301
5519727
5652541
5692485
5732551
5857321
6151574
6359878
6408259
6498978
6845306
5761091
4805451
4879901
5368471
5629869
5636134
5638296
5663894
5706801
5875464
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6330564
6810383
5680310
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6299583).pn.

Page 1

10651550_CLS.txt Most Frequently Occurring Classifications of Patents Returned From A Search of 10651550 on February 28, 2005

```
Original Classifications
             701/29
702/183
701/100
702/34
73/117.3
     4
                73/168
Cross-Reference Classifications
             701/29
702/179
340/438
340/439
701/100
     3
     3
     333322222222222
             701/100
701/33
702/182
702/56
73/168
73/579
73/862.31
361/88
377/16
              701/30
              701/99
             702/107
702/185
702/33
Combined Classifications
            ned Class
701/29
701/100
702/183
73/168
702/179
702/34
702/56
73/117.3
340/438
340/439
     8
     5
     4
     4
     4
     4333333322222222222
              340/439
             701/33
701/99
702/182
73/579
73/862.31
              324/772
             324///2
361/88
377/16
701/30
702/107
702/184
702/185
702/33
707/101
```

10651550_CLSTITLES.txt Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 10651550 on February 28, 2005

```
(4 OR, 4 XR)
701/29
      Class
               701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND
                        RELATIVE LOCATION
      701/1
                      VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                           INDICATION
      701/29
                      .Vehicle diagnosis or maintenance indication
701/100
                 (3 OR, 3 XR)
                       DATA PROCESSING: VEHICLES, NAVIGATION, AND
      Class
                        RELATIVE LOCATION
      701/1
                      VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                            INDICATION
                      .with indicator or control of power plant
  (e.g., performance)
      701/99
                       ..Gas turbine, compressor
      701/100
702/183
                 (4 \text{ OR}, 1 \text{ XR})
      class
               702 : DATA PROCESSING: MEASURING, CALIBRATING, OR
                        TESTING
      702/127
                      MEASUREMENT SYSTEM
      702/182
                      .Performance or efficiency evaluation
      702/183
                      ..Diagnostic analysis
                 (2 OR, 2 XR)
  73/168
               073 : MEASURING AND TESTING
      Class
      73/168
                      BLOWER, PUMP, AND HYDRAULIC EQUIPMENT
                 (0 \text{ OR}, 4 \text{ XR})
702/179
               702 :
      class
                       DATA PROCESSING: MEASURING, CALIBRATING, OR
                        TESTING
                      MEASUREMENT SYSTEM
      702/127
      702/179
                      .Statistical measurement
               (3 OR, 1 XR)
702: DATA PROCESSING: MEASURING, CALIBRATING, OR
702/34
      class
                        TESTING
      702/1
                      MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
      702/33
702/34
                      .Mechanical measurement system
                       ..Wear or deterioration evaluation
                 (1 OR, 3 XR)
02 : DATA PROCESSING: MEASURING, CALIBRATING, OR
702/56
               702 :
      Class
                         TESTING
                      MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT
      702/1
      702/33
                      .Mechanical measurement system
                      .. Vibration detection
      702/56
               (2 OR, 1 XR)
073 : MEASURING AND TESTING
  73/117.3
      Class
                      MOTOR AND ENGINE TESTING
      73/116
                      .Disparate tests under operating conditions
      73/117.2
      73/117.3
                      ..With continuous operation
               (0 OR, 3 XR)
340 : COMMUNICATIONS: ELECTRICAL
340/438
      Class
       340/425.5
                      LAND VEHICLE ALARMS OR INDICATORS
.Internal alarm or indicator responsive to a
       340/438
                         condition of the vehicle
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10651550_CLSTITLES.txt
                  (0 \text{ OR}, 3 \text{ XR})
 340/439
        Class
                 340 :
                        COMMUNICATIONS: ELECTRICAL
        340/425.5
                        LAND VEHICLE ALARMS OR INDICATORS
                        .Internal alarm or indicator responsive to a
        340/438
                            condition of the vehicle
                        ..Operation efficiency (e.g., engine
    performance, driver habits)
        340/439
  701/33
                  (0 \text{ or}, 3 \text{ XR})
        class
                 701: DATA PROCESSING: VEHICLES, NAVIGATION, AND
                          RELATIVE LOCATION
        701/1
                        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
                             INDICATION
                        .Vehicle diagnosis or maintenance indication
        701/29
        701/33
                        ..Plural processors or external processor
  701/99
                  (1 OR, 2 XR)
        Class
                 701:
                         DATA PROCESSING: VEHICLES, NAVIGATION, AND
                          RELATIVE LOCATION
                        VEHICLE CONTROL, GUIDANCE, OPERATION, OR
        701/1
                            INDICATION
                        .With indicator or control of power plant
        701/99
                           (e.g., performance)
3
  702/182
                  (0 \text{ OR}, 3 \text{ XR})
        Class
                 702 :
                         DATA PROCESSING: MEASURING, CALIBRATING, OR
                          TESTING
        702/127
                        MEASUREMENT SYSTEM
        702/182
                        .Performance or efficiency evaluation
2
    73/579
                  (0 \text{ OR}, 2 \text{ XR})
                 073 :
                        MEASURING AND TESTING
        class
        73/570
                        VIBRATION
        73/579
                        .Resonance, frequency, or amplitude study
2
    73/862.31
                  (0 \text{ OR}, 2 \text{ XR})
        Class
                 073 :
                        MEASURING AND TESTING
        73/862
                        DYNAMOMETERS
        73/862.08
                        .Responsive to torque
                        ..During transmission to an external load
        73/862.191
                        ...By measuring reaction forces of transmission
        73/862.31
                           gearing
2 324/772
                  (1 \text{ OR}, 1 \text{ XR})
                 324 : ELECTRICITY: MEASURING AND TESTING
        Class
        324/500
                        FAULT DETECTING IN ELECTRIC CIRCUITS AND OF
                             ELECTRIC COMPONENTS
                        .Of individual circuit component or element
        324/537
        324/772
                        ..Motor or generator fault tests
  361/88
                   (0 or, 2 xr)
        Class
                 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES
                        SAFETY AND PROTECTION OF SYSTEMS AND DEVICES
        361/1
                        .With specific voltage responsive fault sensor
        361/88
                  (0 \text{ OR}, 2 \text{ XR})
2 377/16
        Class
                         ELECTRICAL PULSE COUNTERS, PULSE DIVIDERS, OR
                          SHIFT REGISTERS: CIRCUITS AND SYSTEMS
                        APPLICATIONS
        377/16
                        .Determining machine or apparatus operating
                           time or monitoring machine, apparatus or operation
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10651550_CLSTITLES.txt

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701/30
                    (0 OR, 2 XR)
         Class
                           DATA PROCESSING: VEHICLES, NAVIGATION, AND
                            RELATIVE LOCATION
                          VEHICLE CONTROL, GUIDANCE, OPERATION, OR
         701/1
                                INDICATION
                          .Vehicle diagnosis or maintenance indication
         701/29
         701/30
                          ..Indication of maintenance interval
2 702/107
                    (0 \text{ OR}, 2 \text{ XR})
                           DATA PROCESSING: MEASURING, CALIBRATING, OR
         Class
                   702 :
                            TESTING
         702/85
                          CALIBRATION OR CORRECTION SYSTEM
                          .Circuit tuning (e.g., potentiometer,
    amplifier)
         702/107
  702/184
                    (1 OR, 1 XR)
                   702 :
         Class
                           DATA PROCESSING: MEASURING, CALIBRATING, OR
                            TESTING
         702/127
                          MEASUREMENT SYSTEM
         702/182
702/183
702/184
                          .Performance or efficiency evaluation
                          ..Diagnostic analysis
                          ...Maintenance
2 702/185
                    (0 \text{ OR}, 2 \text{ XR})
         Class
                   702 :
                           DATA PROCESSING: MEASURING, CALIBRATING, OR
                            TESTING
         702/127
                          MEASUREMENT SYSTEM
                          Performance or efficiency evaluation
..Diagnostic analysis
...Cause or fault identification
         702/182
702/183
702/185
2 702/33
                    (0 OR, 2 XR)
                   702:
                           DATA PROCESSING: MEASURING, CALIBRATING, OR
         Class
                            TESTING
                          MEASUREMENT SYSTEM IN A SPECIFIC ENVIRONMENT .Mechanical measurement system
         702/1
         702/33
2 707/101
                    (1 \text{ OR}, 1 \text{ XR})
         Class
                   707 :
                           DATA PROCESSING: DATABASE AND FILE
                            MANAGEMENT OR DATA STRUCTURES
                          DATABASE SCHEMA OR DATA STRUCTURE
         707/100
         707/101
                          .Manipulating data structure (e.g.,
                             compression, compaction, compilation)
```

10651550_WDS.txt

aborts 1 abstmct 1 accompanying 1 accuracy 3 accurate 1 accurately_1 additionally 1 addressed 2 advantages 1 aircra 1 aircraa 1 an 14 and 37 another 1 apparent 1 appended 1 application 4 are 12 as 3 attomey 1 attorney 4 automated 1 background 1 be 5 before 2 brief 2 can 8 cancellations 1 complex 1 complexities 1 computer 1 conjunction 1 current 5 data 21 delays 1 denote 1 descdption 1 described 1 description 2 designations 1 designed 2 detailed 1 detect 4 detection 8 determine 1 determines 4 diagnostic 1 diagram 1 disclosure 1 dmwings 1 docket 5 drawings 2 each 1 effbrt 1 effectiveness 1 elem 1 embodiment 4 estimate 1 estimated 15 estimates 24 estimator 7 exceedingly 1 exemplary 8

exnmples 1 exponential 1 facilities 1 faillzre 1 failure 1 false 1 fault 7 faults 8 features 1 fhe 2 field 1 fig 14 filter 2 filtered 1 filtering 2 filters 2 flight 1 fltered 3 following 1 for 15 foregoing 1 from 3 functions 1 futtlre 1 future 7 general 1 generally 1 generate 1 generates 4 generating 1 graph 6 have 4 he 1 hereinaaer 1 ijtili 1 illustrated 2 illustrating 1 implementing 1 importance 1 improved 2 in 18 include 4 includes 3 incremsing 1 indicative 3 inkolves 1 invention 9 is 20 kalman 2 lack 2 lead 1 led 1 like 2 likely 3 limitation 1 limitations 1 limits 1 ln 1 many 1 mechanical 18 mechanism 9 mechnnical 2 mechnnism 1

10651550_WDS.txt

```
method 8
modem 2
monitor 1
monotbnic 1
monotonic 12
more 3
mplication 1 needed 1
needs 1
noisy 3
now 1
nts 1
objects 1
obtained 8
of 48
off 1
offers 1
ofthe 1
om 3
one 2
or 7
order 5
other 1
page 5
parameter 21
parameters 3
parametric 2
parmneter 2
parnmeter 1
parnmetric 1
particular 2
passed 3
past 1
patent 5
pedbnpance 1
pedbrmance 5
pepformance 1
performanc 1 performance 33
petformance 1
pmicular 1
possible 1
potential 5
potentially 1
predict 3 predicted 1
predictions 3
predictive 10
preferred 2
present 3
prognosis 4
prorosis 3
provided 1
provides 2
raph 1
receives 4
regression 7
relates 2 reliability 1
relied 1
remession 4
result 1
resulting 1
```

10651550_WDS.txt

revession 2 schematic 5 second 5 sensor 5 serious 1 serisor 1 set 3 several 4 shutdowns 1 specifically 1 statistical 1 such 3 suffered 1 summary 1 system 35 systems 18 take 1 techniques 1 that 6 the 67 then 1 thepmechanical 1 these 6 they 2 this 1 through 3 thus Ž tllis 1 tlow 1 tluough 1 to 15 trend 14 trending 33 trends 4 trendwg 1 turning 1 type 1 unable 1 underlying 3 unexpected 1 unfortunately 1 upon 1 used 2 using 9 uswg 1 utility 2 utiliw 1 values 6 various 1 view 5 what 1 where 2 wility 1 will 2 with 1 wvention 1